

Kentucky Department for Environmental Protection
Division of Waste Management
Underground Storage Tank Branch
300 Sower Boulevard – Frankfort KY 40601
(502) 564-5981

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DRAFT

UST Classification Guide

Date Form Completed

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1. UST Facility Information

Agency Interest Number (AI)

UST Facility Name

Classification Type (select one)

☐ Initial Classification

☐ Amended Classification

2. Soil Classification

Soil Classification Instructions: Answer applicable questions. This guide places the UST systems into a particular class and establishes screening levels for soil. Refer to Section 7.1 of the UST Corrective Action Manual regarding criteria for soil classification.

A. Are any domestic-use wells, domestic-use springs or domestic-use cisterns located within a 100-meter (328 feet) radius from the excavation zone?	<input type="checkbox"/> Yes	Proceed to question C. Provide below the physical address and contact information for the owner of each domestic-use well, domestic-use spring or domestic-use cistern identified.
	<input type="checkbox"/> No	Proceed to question B.
	<input type="checkbox"/> N/A	Domestic-use wells, domestic-use springs, or domestic-use cisterns were disregarded. *See note. Proceed to question B.
B. Does analysis of soil samples collected from the excavation zone or soil borings indicate levels above the Class A Adjusted Soil Screening Levels on-site specified in the Class A Soil Screening Levels Table?	<input type="checkbox"/> Yes	Class A Adjusted Soil Screening Levels apply to soil within the Point of Compliance and the applicable Class B Soil Matrix Table Screening Levels apply to soils beyond the Point of Compliance (complete the Class A Soil Screening Levels Table only – below).
	<input type="checkbox"/> No	Soil levels meet the requirements for Class A (complete the Class A Soil Screening Levels Table only – below).
C. Does analysis of soil samples collected from the excavation zone or soil borings indicate levels above those specified in the applicable Class B Soil Matrix Table?	<input type="checkbox"/> Yes	The applicable Class B Soil Matrix Table Screening Levels apply both within and beyond the Point of Compliance (complete the Class B Soil Screening Levels Table only – on next page).
	<input type="checkbox"/> No	Soil levels meet the requirements for Class B (complete the Class B Soil Screening Levels Table only – on next page).

Note: Domestic-use wells, domestic-use springs, or domestic-use cisterns: if site-specific information demonstrates no potential impact (e.g., a domestic-use well hydrogeologically upgradient from the excavation zone) to domestic-use wells, domestic-use springs, or domestic-use cisterns from a release within the excavation zone, those features shall be disregarded in the determination of site classification.

Instructions for Class A Soil: Only complete the Class A Soil Screening Levels Table below for UST systems classified as Class A in Section 2. If the UST system does not qualify for Class A, complete the Class B Soil Screening Levels Table on the next page.

Row 1	Identifies the baseline soil screening levels for Class A.
Row 2	Identify the applicable Matrix Table (refer to Table 2 of the UST Corrective Action Manual). Based on the identification of the appropriate Matrix Table, depth to groundwater and soil type, complete the Class B Soil Matrix Table Screening Levels beyond the Point of Compliance (refer to Tables 2 through 5 of the UST Corrective Action Manual).
Row 3	Identify the adjusted soil screening levels required within the Point of Compliance for UST systems in Class A by choosing the less stringent constituent levels from Rows 1 and 2 for each constituent. Row 3 identifies the final soil screening levels within the Point of Compliance.

Class A Soil Screening Levels Table (ppm)

Row		B	T	E	X	Ch	B(a)A	cPAH	nPAH	NAP	Lead
1	Class A Baseline Soil Screening Levels <u>within</u> the Point of Compliance	2	18	30	50	15	0.15	0.3	10	5	400
2	Matrix Table Soil Screening Levels <u>beyond</u> the Point of Compliance	Class B Soil Matrix Table: _____ Soil Type: _____ Depth to Groundwater: _____									
3	Class A Adjusted Soil Screening Levels <u>within</u> the Point of Compliance										

AI _____

Instructions for Class B Soil: Only complete the Class B Soil Screening Levels Table below for UST systems classified as Class B in Section 2. Identify the applicable Matrix Table (refer to Table 2 of the UST Corrective Action Manual). Based on the identification of the appropriate Matrix Table, depth to groundwater and soil type, complete the Class B Soil Matrix Table Screening Levels beyond the Point of Compliance (refer to Tables 2 through 5 of the UST Corrective Action Manual).

Class B Soil Screening Levels Table (ppm)

Soil Screening Levels within and beyond the Point of Compliance	Class B Soil Matrix Table: _____ Soil Type: _____ Depth to Groundwater: _____									
	B	T	E	X	Ch	B(a)A	cPAH	nPAH	NAP	Lead

3. Groundwater Classification

Groundwater Classification Instructions: Answer applicable questions. This guide places the UST systems into a particular class and establishes screening levels for groundwater. Refer to Section 7.2 of the UST Corrective Action Manual regarding criteria for groundwater classification.

A. Is the UST facility serviced by a public water supply?	<input type="checkbox"/> Yes Proceed to question B. <input type="checkbox"/> No Groundwater Table I screening levels apply within and beyond the Point of Compliance (complete the Groundwater Screening Levels within the Point of Compliance below).
B. Are domestic-use wells, domestic-use springs, or domestic-use cisterns located within a 100-meter (328 feet) radius from the excavation zone?	<input type="checkbox"/> Yes Groundwater Table I screening levels apply within and beyond the Point of Compliance (complete the Groundwater Screening Levels within the Point of Compliance below). <input type="checkbox"/> No Proceed to question C. <input type="checkbox"/> N/A Domestic-use wells, domestic-use springs, or domestic-use cisterns were disregarded. *See note. Proceed to question C.
C. Are domestic-use wells, domestic-use springs, or domestic-use cisterns located within a 100-meter (328 feet) to 300-meter (984 feet) radius from the excavation zone?	<input type="checkbox"/> Yes Groundwater Table II screening levels apply within the Point of Compliance and Groundwater Table I screening levels apply beyond the Point of Compliance (complete the Groundwater Screening Levels within the Point of Compliance below). <input type="checkbox"/> No Groundwater Table III screening levels apply within the Point of Compliance and Groundwater Table I screening levels apply beyond the Point of Compliance (complete the Groundwater Screening Levels within the Point of Compliance below). <input type="checkbox"/> N/A Domestic-use wells, domestic-use springs, or domestic-use cisterns were disregarded. *See note. Groundwater Table III screening levels apply within the Point of Compliance and Groundwater Table I screening levels apply beyond the Point of Compliance (complete the Groundwater Screening Levels within the Point of Compliance below).

Note: Domestic-use wells, domestic-use springs, or domestic-use cisterns: if site-specific information demonstrates no potential impact (e.g., a domestic-use well hydrogeologically upgradient from the excavation zone) to domestic-use wells, domestic-use springs, or domestic-use cisterns from a release within the excavation zone, those features shall be disregarded in the determination of site classification.

Instructions for Groundwater Screening Levels: Complete the Groundwater Screening Levels Table below.

Row 1 Identify the applicable Groundwater Table and corresponding BTEX screening levels within the Point of Compliance (refer to Table 6 of the UST Corrective Action Manual).

Row 2 Identifies Groundwater Table 1 and corresponding screening levels beyond the Point of Compliance.

Groundwater Screening Levels (ppm)

Row		B	T	E	X	cPAH	nPAH	NAP	Dissolved Lead*
1	Groundwater Screening Levels within the Point of Compliance	Groundwater Table: _____							
						0.005	3	0.3	0.015
2	Groundwater Screening Levels beyond the Point of Compliance	0.007	0.94	0.47	5.89	0.005	3	0.3	0.015

4. Domestic-Use Wells, Domestic-Use Springs, and Domestic-Use Cisterns			
Instructions: Provide the physical address and contact information for the owner of each domestic-use well, domestic-use spring, or domestic-use cistern identified. All domestic-use wells, domestic-use springs, or domestic-use cisterns shall be remediated to the maximum contaminant levels (MCLs) established in 401 KAR Chapter 8.			
Owner Name:		Physical Address:	
Phone Number: () -			
<input type="checkbox"/> DU Well	<input type="checkbox"/> DU Spring	<input type="checkbox"/> DU Cistern	
Latitude:		Longitude:	
Photo Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No, explain:			
Owner Name:		Physical Address:	
Phone Number: () -			
<input type="checkbox"/> DU Well	<input type="checkbox"/> DU Spring	<input type="checkbox"/> DU Cistern	
Latitude:		Longitude:	
Photo Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No, explain:			
Owner Name:		Physical Address:	
Phone Number: () -			
<input type="checkbox"/> DU Well	<input type="checkbox"/> DU Spring	<input type="checkbox"/> DU Cistern	
Latitude:		Longitude:	
Photo Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No, explain:			
Owner Name:		Physical Address:	
Phone Number: () -			
<input type="checkbox"/> DU Well	<input type="checkbox"/> DU Spring	<input type="checkbox"/> DU Cistern	
Latitude:		Longitude:	
Photo Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No, explain:			
5. Certification			
Under the requirements of KRS Chapter 322 and 322A, this checklist shall be completed and signed by a P.E. licensed with the Kentucky Board of Licensure for Professional Engineers and Land Surveyors or a P.G. registered with the Kentucky Board of Registration for Professional Geologists.			
I, the undersigned, under penalty of law, and in accordance with the provisions of KRS Chapter 322 or KRS Chapter 322A, as appropriate, hereby certify the submitted information, including all attached documents, is true, accurate and complete. KRS 224.99-010(4) provides for penalties for submitting false information, including the possibility of fine and imprisonment.			
Printed		Title	
Signature		Date / /	
<input type="checkbox"/> Professional Engineer		<input type="checkbox"/> Professional Geologist	
License Number		Registration Number	
License Date		Registration Date	
If you have questions on how to fill out this form please contact the cabinet at (502) 564-5981 or visit our web site at http://waste.ky.gov/ust . For copies of official recorders please visit http://eec.ky.gov/pages/openrecords.aspx or email DEP.KORA@ky.gov .			



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